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APPLICATION NO.	FILING	G DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.		
10/826,713 04/16/2004		6/2004	William D. Boyd	TI-37214	TI-37214 2185		
23494	7590	03/28/2006		EXAM	EXAMINER		
	STRUMENT	SANDVIK, B	SANDVIK, BENJAMIN P				
P O BOX 655474, M/S 3999 DALLAS, TX 75265				ART UNIT	PAPER NUMBER		
-				2826			
				DATE MAILED: 03/28/2006			

Please find below and/or attached an Office communication concerning this application or proceeding.

## DIVIDED ACTION Summary    10/828.713		Application No.	Applicant(s)	
Ben P. Sandvik  Ben	Office Action Commence	10/826,713	BOYD ET AL.	and
— The MAILING DATE of this communication appears on the cover sheet with the correspondence address — Period for Repty  A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 1 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.  Extension of time may be a validate under be providers of 37 CFR 1.13(a), in no event, however, may a raphy be timely fixed of the communication of the provider of the communication.  Failure to reply which he set or extended period for reply with by statistic, example 50 (k) (MDNTHS from the mailing date of this communication. Failure to reply with the set or extended period for reply fixed the communication.  Status  1)	Uπice Action Summary	Examiner	Art Unit	
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 1 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.  - after SIX (8) MONTHS from the mailing date of this communication if No period reply is specified some, the maximum statutory period via appara and we agrees XE, MONTHS from the mailing date of this communication if No period reply is specified some, the maximum statutory period via appara and we agrees XE, MONTHS from the mailing date of this communication if No period reply is specified some, the maximum statutory period via appara and very early (MONTHS from the mailing date of this communication if No period reply is specified some, the maximum statutory period via appara and very early (MONTHS from the mailing date of this communication if No period reply is specified some, the mailing date of this communication if No period reply is specified and the specified period for reply valid, by date of the communication if No period period reply is specified and the specified period reply within the adjustment Some of CR 1 is a specified to it is condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Exparte Quayle, 1935 C.D. 11, 453 O.G. 213.  Disposition of Claims  4) Claim(s) 1-32 is/are pending in the application 4) Of the above claim(s) is/are allowed Claim(s) is/are subjected to by the Examiner Application Papers  9) The specification is objected to by the Examiner Application specified period is objected to by the Examiner Application specified period is objected to by the Examiner. Note the attached Office Action or form PTO-152 Priority under 35 U.S.C. § 119  10) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f) a) All is by Some is made of a claim for foreign pr				
WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.  Editations of time may be available used the provision of 3°CFR 1.15(a). In no event, however, may a reply be timely filed after SX (6) MONTHS from the mailing date of this communication. 40°CFR 1.15(a). The control of the communication of the communicatio		ears on the cover sheet with the c	orrespondence add	lress
This action is FINAL.   2b  This action is non-final.   3  Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.	WHICHEVER IS LONGER, FROM THE MAILING DA  - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication.  - If NO period for reply is specified above, the maximum statutory period w  - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing	ATE OF THIS COMMUNICATION 6(a). In no event, however, may a reply be tim ill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	N. nely filed the mailing date of this cor (35 U.S.C. § 133).	,
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## **DETAILED ACTION**

## Election/Restrictions

Restriction to one of the following inventions is required under 35 U.S.C. 121:

- Claims 1-12, drawn to a method for wafer-level assembly of chip-size device, classified in class 438, subclass 108.
- II. Claims 13-32, drawn to a semiconductor device, classified in class 257, subclass 778.

The inventions are distinct, each from the other because of the following reasons:

Inventions I and II are related as process of making and product made. The inventions are distinct if either or both of the following can be shown: (1) that the process as claimed can be used to make another and materially different product or (2) that the product as claimed can be made by another and materially different process (MPEP § 806.05(f)). In the instant case the leadframe can be connected to the wafer by another process than solder reflow, such as thermocompression bonding.

Because these inventions are independent or distinct for the reasons given above and have acquired a separate status in the art in view of their different classification, restriction for examination purposes as indicated is proper.

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Because these inventions are independent or distinct for the reasons given above and the inventions require a different field of search (see MPEP § 808.02), restriction for examination purposes as indicated is proper.

Applicant is advised that the reply to this requirement to be complete must include (i) an election of a species or invention to be examined even though the requirement be traversed (37 CFR 1.143) and (ii) identification of the claims encompassing the elected invention.

The election of an invention or species may be made with or without traverse. To reserve a right to petition, the election must be made with traverse. If the reply does not distinctly and specifically point out supposed errors in the restriction requirement, the election shall be treated as an election without traverse.

Should applicant traverse on the ground that the inventions or species are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the inventions or species to be obvious variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the inventions unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C.103(a) of the other invention.

Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

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Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ben P. Sandvik whose telephone number is (571) 272-

8446. The examiner can normally be reached on Mon-Fri.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nathan Flynn can be reached on (571) 272-1915. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

bps

EVAN PERT PRIMARY EXAMINER